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LISTING OF THE CLAIMS:

No claims have been amended.

1. (Previously presented) A computer-implemented method of indexing data blocks according to a collection of subject words of the data blocks, comprising:

constructing a N-dimensional coordinate space, wherein N is a cardinality of the collection of subject words of the data blocks.

- (Original) The method of claim 1, further comprising:
 traversing data block links leading to discovery of cross-subject affinities.
- (Original) The method of claim 1, further comprising:
 determining a closeness of any two data blocks in said database.
- 4. (Original) The method of claim 3, wherein said determining is performed according to an equation comprising:

$$D(p1,p2) = \sqrt{S_{\alpha}(p1_{\alpha} - p2_{\alpha})^2}$$

where D is a data block and p1, p2 are points in the N-dimensional space and S is a summation.

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- 5. (Original) The method of claim 1, wherein affine documents are determined to be in closer proximity than non-affine documents in a mapping to N-space coordinates.
- 6. (Original) The method of claim 1, wherein all dimensions of said N-dimension coordinate space are considered.
- 7. (Original) The method of claim 1, wherein said data blocks comprise documents, said method further comprising:

building a term-by-document matrix and using all of the terms in N- dimensions in the coordinate space.

- (Original) The method of claim 7, further comprising:
 utilizing a column term in the term-by-document matrix as a vector.
- 9. (Original) The method of claim 1, further comprising: measuring a distance function between data blocks, wherein said distance function is representative of an affinity between two data blocks.
- (Original) The method of claim 1, further comprising:
 building a proximity list for each data block.

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11. (Original) The method of claim 1, further comprising:

navigating through data blocks based on a content of said data blocks, said navigating being performed by selectively moving from one page to another without traversing a hypertext link.

12. (Original) The method of claim 1, wherein said data blocks comprise any of Web pages, images, and database entries indexed such that each data block resides in a specific . point in the N-dimensional coordinate space, and

wherein a placement of the data blocks in the coordinate space is performed such that data blocks which are relatively closer to each other are related to a same subject.

- 13. (Original) The method of claim 10, wherein the proximity list is ordered in ascending order of proximity, with a closest point being listed first.
- 14. (Original) The method of claim 10, further comprising reordering the proximity list by changing a coordinate of a current location.
- 15. (Original) The method of claim 10, wherein the proximity list is changed when a current position is changed to a position of a visited data block.

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- 16. (Original) The method of claim 10, wherein a user selectively follows one of a link from a data block and follows an item in the proximity list, to navigate independently of links found in other data blocks.
- 17. (Original) The method of claim 1, wherein said data blocks are selectively traversable by using hypertext links and by not using hypertext links.

18-21. (Canceled)

22. (Previously presented) A computer-implemented method for indexing a database, comprising:

constructing a coordinate system; and

mapping documents of said database into the coordinate system to determine a physical closeness of first and second documents of said database.

23. (Previously presented) A computer system for indexing data blocks according to a collection of subject words, comprising:

a construction unit for constructing a N-dimensional coordinate space, wherein N is a cardinality of a collection of subject words.

24. (Original) The system of claim 23, further comprising:
traversing data block links leading to discovery of cross-subject affinities.

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- 25. (Original) The system of claim 23, further comprising:
 a determining unit for determining a closeness of any two data blocks in said database.
- 26. (Original) The system of claim 25, wherein said determining by said determining unit is performed according to an equation comprising:

$$D(p1,p2) = \sqrt{\int \int \int d^2p1_d - p2_d^2}$$

where D is a data block and p1, p2 are points in the N-dimensional space and S is a summation.

- 27. (Original) The system of claim 25, wherein affine documents are determined by said determining unit to be in closer proximity than non-affine documents in a mapping to N-space coordinates.
- 28. (Original) The system of claim 23, wherein all dimensions of said N-dimension coordinate space are considered.

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29. (Original) The system of claim 23, wherein said data blocks comprise documents, said construction unit comprising:

a unit for building a term-by-document matrix and using all of the terms in Ndimensions in the coordinate space.

- 30. (Original) The system of claim 29, further comprising:
 means for utilizing a column term in the term-by-document matrix as a vector.
- 31. (Original) The system of claim 23, further comprising:

 a measuring unit for measuring a distance function between data blocks, wherein said distance function is representative of an affinity between two data blocks.
- 32. (Original) The system of claim 23, further comprising:a unit for building a proximity list for each data block.

without traversing a hypertext link.

33. (Original) The system of claim 23, further comprising:

a navigation unit for navigating through data blocks based on a content of said data
blocks, said navigating being performed by selectively moving from one page to another

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34. (Original) The system of claim 23, wherein said data blocks comprise any of Web pages, images, and database entries indexed such that each data block resides in a specific point in the N-dimensional coordinate space, and

wherein a placement of the data blocks in the coordinate space is performed such that data blocks which are relatively closer to each other are related to a same subject.

- 35. (Original) The system of claim 32, wherein the proximity list is ordered in ascending order of proximity, with a closest point being listed first.
- 36. (Original) The system of claim 32, further comprising:
 a reordering unit for reordering the proximity list by changing a coordinate of a current location.
- 37. (Original) The system of claim 32, wherein the proximity list is changed when a current position is changed to a position of a visited data block.
- 38. (Original) The system of claim 32, wherein a user selectively follows one of a link from a data block and follows an item in the proximity list, to navigate independently of links found in other data blocks.
- 39. (Original) The system of claim 32, wherein said data blocks are selectively traversable by using hypertext links and by not using hypertext links.

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40-43. (Canceled)

44. (Previously presented) A computer system for indexing a database, comprising:
a unit for constructing a coordinate system; and

a mapping unit for mapping documents of said database into the coordinate system to determine a physical closeness of first and second documents of said database, wherein indexing said database is performed according to a collection of subject words, such that said coordinate system comprises an N-dimensional coordinate space, wherein N is a cardinality of the collection of subject words.

45. (Previously presented) A signal-bearing medium tangibly embodying a program of machine- readable instructions executable by a digital processing apparatus to perform a computer-implemented method of indexing data blocks according to a collection of subject words, said method comprising:

constructing a N-dimensional coordinate space, wherein N is a cardinality of a collection of subject words.

- 46. (Canceled)
- 47. (Previously presented) A signal-bearing medium tangibly embodying a program of machine- readable instructions executable by a digital processing apparatus to perform a computer-implemented method of indexing a database, said method comprising:

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constructing a coordinate system; and

mapping documents of said database into the coordinate system to determine a physical closeness of first and second documents of said database, wherein indexing said database is performed according to a collection of subject words, such that said coordinate system comprises an N-dimensional coordinate space, wherein N is a cardinality of the collection of subject words.

- 48. (Previously presented) The method of claim 1, wherein each data block represents a document and each said document is represented as a vector which has a position in the N-dimensional coordinate space of N subject words, such that a relationship is independent of any other document.
- 49. (Previously presented) The method of claim 1, wherein each data block represents a document and wherein a document can be added to the coordinate space without impacting a measurement of any other document.
- 50. (Previously presented) The system of claim 23, wherein each data block represents a document and each said document is represented as a vector which has a position in the N-dimensional coordinate space of N subject words, such that a relationship is independent of any other document.

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measurement of any other document.

- 51. (Previously presented) The system of claim 23, wherein each data block represents a document and wherein a document can be added to the coordinate space without impacting a
- 52. (Previously presented) The system of claim 44, wherein each said document is represented as a vector which has a position in an N-dimensional coordinate space of N subject words, such that a relationship is independent of any other document.
- 53. (Previously presented) The system of claim 44, wherein a document can be added to the coordinate system without impacting a measurement of any other document.
- 54. (Previously presented) The medium of claim 45, wherein each data block represents a document and each said document is represented as a vector which has a position in the N-dimensional coordinate space of N subject words, such that a relationship is independent of any other document.
- 55. (Previously presented) The medium of claim 45, wherein each data block represents a document and wherein a document can be added to the coordinate space without impacting a measurement of any other document.